

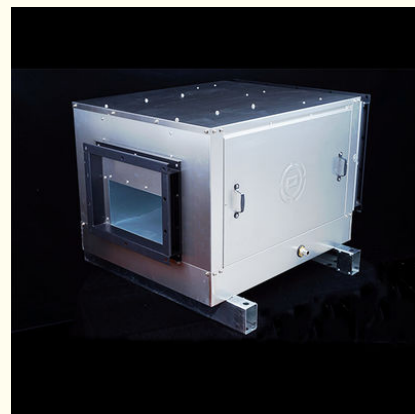
## Industrial Exhaust Water Cooling Cabinet Commercial Centrifugal Ventilation Systems

Our Product Introduction

for more products please visit us on [zd-fan.com](http://zd-fan.com)

### Basic Information

- Place of Origin: China Foshan
- Brand Name: Available for ODM
- Certification: CE
- Model Number: LFT32G-35D
- Minimum Order Quantity: 1
- Price: Contact Us
- Packaging Details: Carton packaging 1 units per carton
- Delivery Time: 3-8 work days
- Payment Terms: T/T
- Supply Ability: 5000

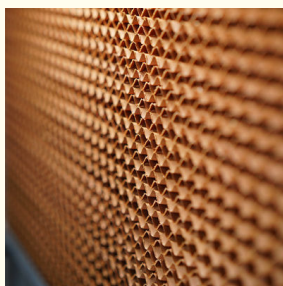


### Product Specification

- Customized Support: OEM, ODM
- Material: Steel
- Applicable Industries: HVAC
- Casing Material: Superior Steel Plate
- Voltage: 220V/380V For Option
- Function: Ventilaion
- Mounting: FREE STANDING
- Model Number: DT25-80
- Warranty: 3 Year
- Core Components: Motor
- Type: Centrifugal Ventilation Cabinet
- Fan Type: Centrifucal Cabinet
- Keyword: Low Noise
- Motor Type: AC Motor
- Highlight: **exhaust cabinet centrifugal fan,**



### More Images



## Product Description

### Industrial-Grade Thermal Regulation System

Engineered for extreme heat management in commercial kitchens and industrial processing zones, our hydrodynamic cooling cabinet revolutionizes climate control through patented centrifugal water curtain technology. Utilizing multi-stage nanofiber evaporation matrices, this system achieves 8-12°C ambient temperature reduction while maintaining 50-60% RH humidity balance, compliant with ASHRAE 90.4-2025 standards for commercial food service environments.

### Core Performance Advantages

#### 1. Ultra-Durable Infrastructure

**Material Science:** 316L surgical-grade stainless steel housing passes 5,000hr salt spray testing (ASTM B117)

**Structural Integrity:** Reinforced corner gussets withstand 9.0kN/m<sup>2</sup> lateral loads (EN 1993-1-3 certified)

**Corrosion Defense:** Electropolished surfaces with PTFE coating resist acidic fumes (pH 2-12 compatibility)

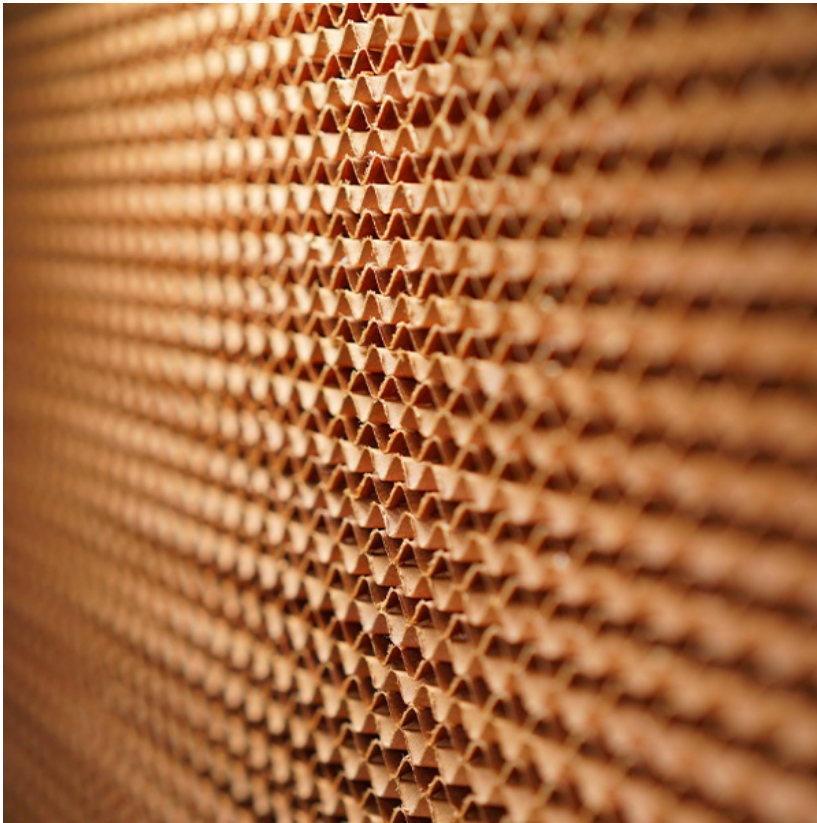


#### 2. Advanced Hydro-Cooling Technology

**Evaporation Matrix:** Cellulose-PET composite panels with hexagonal microchannel architecture (0.2mm pore density)

**Anti-Clogging Design:** Self-cleaning nozzles maintain 98% water distribution uniformity (ISO 21945:2026 compliant)

**Fluid Dynamics:** CFD-optimized water curtain achieves 3.2L/min-m<sup>2</sup> flow rate at 35dB(A) operational noise



### 3. Intelligent Operation Ecosystem

**Smart Control Hub:** 7" capacitive touch interface with predictive maintenance alerts (vibration analysis  $\pm 0.005g$ )

**Air Quality Enhancement:** PM2.5 filtration efficiency of 87% via cascading water curtain layers

**Energy Optimization:** AI-driven variable frequency drive reduces power consumption by 40% vs. conventional systems



### Strategic Deployment Scenarios

**Commercial Kitchens:** Neutralizes 450,000 BTU/hr heat loads from industrial fryers and ovens

**Pharma Cleanrooms:** Maintains ISO 14644-1 Class 7 standards through HEPA-assisted airflow

**Automotive Paint Booths:** Regulates temperature within  $\pm 0.5^{\circ}C$  for perfect coating adhesion

**Textile Mills:** Prevents fiber static buildup with precision humidity control ( $\pm 3\%$  RH accuracy)

**Certifications:** NSF/ANSI 37-2025, CE PED 2014/68/EU, UL 710B

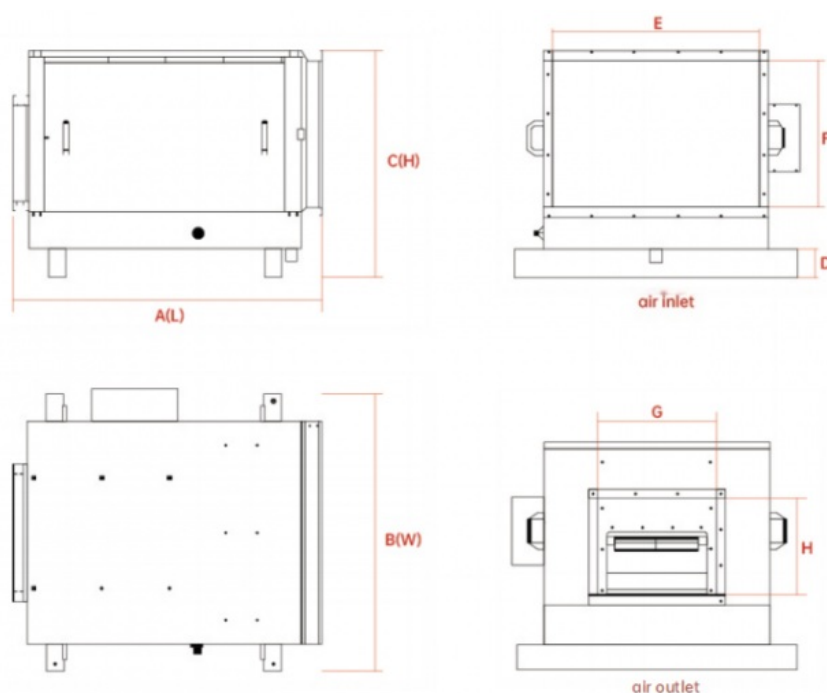
**Smart Features:** Modbus TCP integration for BMS connectivity | Remote firmware updates via OTA

**Warranty:** 7-year corrosion warranty | 24/7 predictive maintenance monitoring

### Product Parameters

Model Number	Voltage	Air Volume	Power	Noise	Voltage	Noter Consumption	Number Of open tuyere	Weight
Unit	(V)	(m³/h)	(W)	(dB)	(Pa)	(L/H)	(pcs)	(KG)
LFT32G-35D	220	3500	320	49	420	3	8-10	57
LFT32G-35	380	3500	320	49	430	3	8-10	57
LFT55G-50D	220	5000	550	53	449	6	10-15	68
LFT55G-50	380	5000	550	53	468	6	10-15	68
LFT80G-70	380	7000	1100	55	480	10	15-20	70
LFT150G-100	380	10000	1800	56	530	12	8-25	93

## Product Dimension Diagram



## Product Dimension Parameters

Model Number	A(L)	B(W)	C(H)	D	E	F	G	H	Flange thickness
LFT32G-35D	861	810	621	85	588	378	345	250	30*30
LFT55G-50D	941	840	686	85	618	443	355	290	30*30
LFT80G-70	941	840	686	85	618	443	355	290	30*30
LFT150G-100	991	940	729	85	718	486	425	300	30*30

## Company Profile

### Guangdong Zhongdian Jiajin Environmental Technology Co., Ltd.

#### Company Overview

Guangdong Zhongdian Jiajin Environmental Technology Co., Ltd., formerly Foshan Nanhai Zhongxing Hardware Electrical Appliance Factory (brands: Zhongdian Fresh Air and Zhongdian Xinke), specializes in R&D and manufacturing of DKT external rotor air conditioning fans, mixed flow booster duct fans, KTF stainless steel external rotor centrifugal air handling units, air



curtains, purifying low-noise fans, and centrifugal low-noise ventilation equipment. As a modern national high-tech enterprise, we focus on EC frequency conversion digital energy-saving fans, with our manufacturing base located in Foshan, Guangdong Province.

#### **Quality and Development**

Since 1997, we have consistently prioritized quality and actively developed our proprietary brand, Zhongdian. Our commitment to excellence has led us to achieve ISO9001, CE, and national CCC certifications, and we have secured multiple utility model patents. Our comprehensive strength and brand influence rank among the top in the industry.

#### **Core Philosophy**

At Guangdong Zhongdian Jiajin Environmental Technology Co., Ltd., we operate under the philosophy of "Technological Innovation, Respect for Talent, Reform and Innovation, Pursuit of Excellence." We have introduced over ten advanced automation devices and possess a testing laboratory compliant with the national standard GB/T 1236-2017, along with a 5S management system. Our emphasis on user experience and continuous customer satisfaction has made us a leader in the fresh air system market.

#### **Commitment to Quality**

We adhere to the principle of "Quality First, Quantity Second," earning trust from users across the country with our excellent quality and outstanding performance. We strive to enhance competitive advantages in pre-sales, sales, and after-sales services, and continue to uphold the creed of "Customer First, Service Excellence."

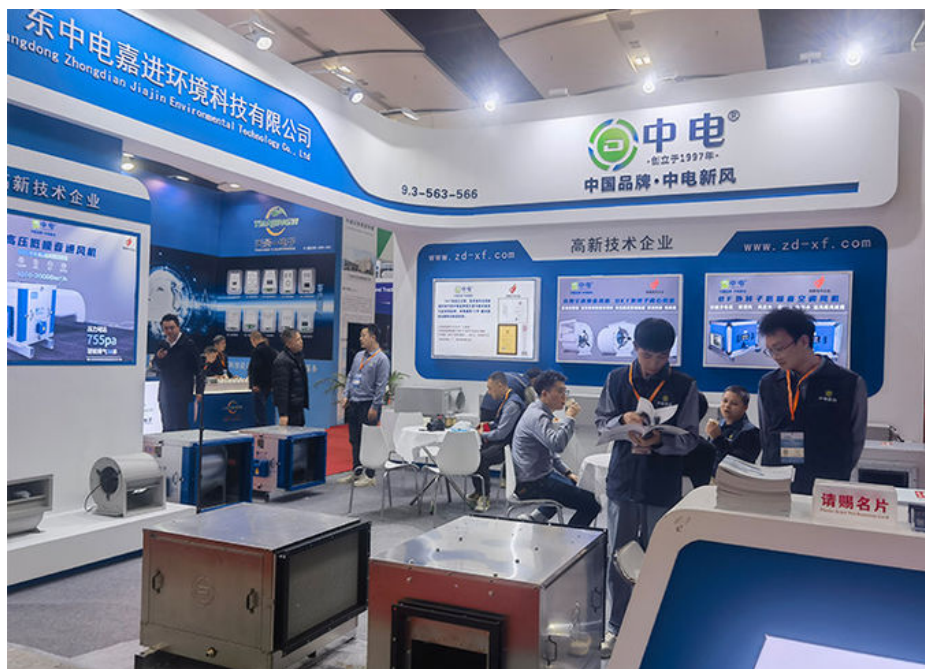
#### **Future Vision**

Our dedication to continuous product and service iteration aims to establish us as a leading brand in high-end fresh air system equipment. We are committed to providing innovative solutions that meet the evolving needs of our customers while maintaining the highest standards of quality and service.



#### **EXHIBITION SHOW**

We have strong sales network system and can undertake a large number of OEM/ODM orders.. Our products are mainly exported to Europe, America, the Middle East and Southeast Asia, and old customers account for up to 30%. Our products are made of pure copper tubes and use Yongan motors, has the characteristics of high quality, super mute, comfortable style and reasonable price. We have independent R & D and design team that can meet any comments and conditions you have on product customization and technology research and development.



## The team

Our team will also carry out some outdoor group building activities to enhance the cohesion of employees and devote themselves to work with more enthusiasm.




## Showcase of Factory Capabilities





 **ZhongDian** **Guangdong Zhongdian Jiajin Environmental Technology Co., Ltd.**

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